

Notice of Allowability

Application No.

10/781,243

Examiner

Edwin A. León

Applicant(s)

MCCARTHY, DALE C.

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview Summary of 11/10/04.
2. ☒ The allowed claim(s) is/are 1,2,4-11,15,20,22 and 32.
3. ☒ The drawings filed on 2/18/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 10/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


Gary Paumen
Primary Examiner

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jefferson Perkins on November 10, 2004.

The application has been amended as follows:

Please cancel Claims 3 and 18-19.

On Claim 2, Line 20, after "each other" add -- said clamp driving surface and said directing surface are both flat and generally define parallel planes both disposed at substantially the same angle to said bore axis".

On Claim 15, Line 14, after "conductor" add --and wherein inserting said cap into the first end of said housing causes said at least one clamping arm to make electrical contact with said housing such that said housing is in electrical contact with the outer conductor of the insulated electrical conductor and said at least one clamping arm is integrally formed with the housing".

Allowable Subject Matter

2. Claims 1-2, 4-11, 15, 20, 22 and 32 are allowed.

The following is an examiner's statement of reasons for allowance:

Gutter et al. (U.S. Patent No. 4,739,126) discloses an electrical connector (10), comprising: a housing (12) having an open end; at least one clamping arm (means for penetrating) (14) disposed in the housing (12) so as to surround an insulated electrical conductor (20), means (21b) for inserting an insulated electrical conductor (20) into the open end of the housing (12) such that the at least one clamping arm (means for penetrating) (14) and means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) having an end wall apertured to receive an electrical coaxial cable (20) and having a sidewall with an outer periphery sized for engaging an inner periphery of the housing (12), wherein once the first end of the at least one clamping arm (means for penetrating) (14) penetrates an outer insulation layer (74) of the electrical cable (20) and the end of the electrical cable (20) being inserted into the first end of the housing (12), the cap (16,18) can be inserted into the first end of the housing (12) such that the at least one clamping arm (means for penetrating) (14) is secured in place, and the means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) having a sidewall sized at its outer periphery for engaging the inner periphery of the housing (12).

See Figs. 1-3.

Horak (U.S. Patent No. 3,744,007) discloses an electrical connector (10), comprising: a housing (12) having a first end and an axial bore (where (14) is located); at least one clamping arm (16) in the bore (where (14) is located) of the housing (12) having a first end; and a cylindrical compression cap (14) having an end wall apertured to receive an electrical coaxial cable (26) and having a sidewall with an outer periphery sized for engaging an inner periphery of the housing (12), wherein once the first end of the at least one clamping arm (16) penetrates an outer insulation layer (26d) of the electrical cable (26) and the end of the electrical cable (26) being inserted into the first end of the housing (12), the cap (14) can be inserted into the first end of the housing (12) such that the at least one clamping arm (16) is secured in place, and the cylindrical compression cap (14) having a sidewall sized at its outer periphery for engaging the inner periphery of the housing (12). See Figs. 1-3.

However, the references fail to teach, disclose, or suggest, either alone or in combination, the clamp having a clamp driving surface generally defining a plane at an angle relative to the axis of the bore, the angle extending radially from the bore, the sidewall having a directing surface generally defining a plane in substantially the same angle as the angle of the plane of the clamp driving surface, the clamp driving surface and the directing surface are both flat and generally define parallel planes both disposed at substantially the same angle to the bore axis and the at least one clamping arm is integrally formed with the housing and in combination with the rest of the limitations of the base claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Korte et al. (U.S. Patent No. 6,736,674), Gaver, Jr. et al. (U.S. Patent No. 5,181,861), Freitag (U.S. Patent No. 3,977,752) and Kelly (U.S. Patent No. 3,448,430) disclose connectors having housings, coaxial cables, caps and clamps.

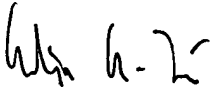
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (571) 272-2008. The examiner can normally be reached on Monday - Friday 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571-272-2800, extension 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gary Paumen
Primary Examiner



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EAL
November 11, 2004